

PRODUCT DESCRIPTION

GSD-Maps of Sweden at the scales of 1:5 million, 1:10 million and 1:20 million

DOCUMENT VERSION: 1.2

Figure 1. GSD-Sweden maps scale 1: 5 million, 1:10 million and 1:20 million.

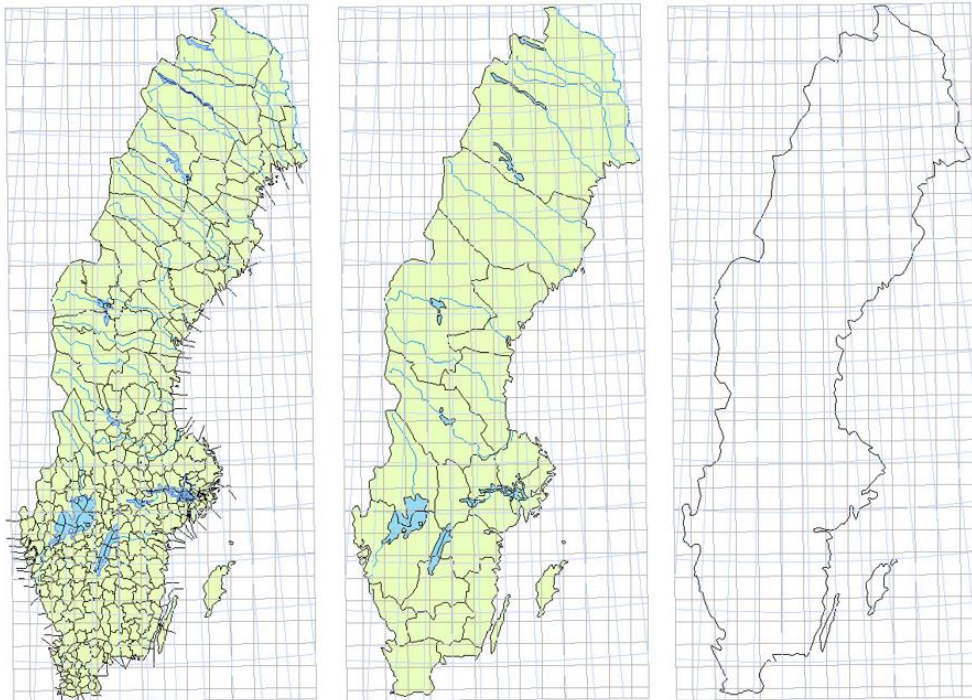


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I General description

Several databases for maps of Sweden were created in connection with the production of the first volume of the National Atlas of Sweden 1987-1989. The bases vary in level of detail and aim to provide a good cartographic presentation of Sweden at different scale ranges. The maps of Sweden are available at the scales of 1:5 million, 1:10 million and 1:20 million and are ideally suited for use as backgrounds for different types of thematic presentations.

I.1 Contents

The features in the bases have been purposely selected to provide a cartographically good image.

Due to differences in the degree of generalisation and purpose, the contents at the different scales vary to some extent:

Table 1. Contents in each scale.

	1:5 million	1:10 million	1:20 million
National boundary and coastline	X	X	X
Lakes and islands	X	X	
Watercourses	X	X	
Municipality boundary	X		
County boundary	X	X	
The Arctic Circle	X	X	X
Grid and graticule	X	X	X

1.2 Geographic coverage

The bases cover the whole of Sweden, with the following approximate cut off coordinates:

Table 2. Distribution with coordinates for the maps of Sweden.

E-min	263 000
E-max	919 000
N-min	6 118 000
N-max	7 677 000

1.3 Coordinate system

Plane coordinate system: SWEREF 99 TM or RT90

Height system: the Swedish national RH 2000 height system

2 Quality statement

2.1 Data collection method

Lantmäteriet's Map of Sweden at the scale of 1:1 million has been rescaled to 1:2.5 million and engraved on map sheets of stabylen, and in connection with this they were manually generalised. Subsequently, the map was rescaled and engraved three more times at smaller scales: first to 1:5 million, then to 1:10 million and finally to 1:20 million, also all manually generalised.

The bases were scanned, except for the layers for graticules and grids, which were calculated.

2.2 Currency

The Maps of Sweden are updated when necessary but can in principle be regarded as static products.

2.3 Completeness

Territorial boundary is not included. This means that there are no outer boundaries for counties/municipalities that face the Baltic Sea, Kattegat and Skagerrak.

3 Contents of the delivery

3.1 Set of files

The amount of data for the Map of Sweden at the scale of 1:5 million is approx. 0.53 Mb, for 1:10 million it is approx. 0.34 Mb and for 1:20 million approx. 0.21 Mb.

3.1.1 SHAPE FORMAT

Data in Shape format is supplied in 4 files per layer:

Table 3. List of which four files are available for the shape format.

*.shp	Geometry file.
*.dbf	Attribute file in Dbase format.
*.shx	Index file.
*.prj	Projection file.

Geometry index is not created for the Shape files.

Attribute index is not created for the Dbase files.

3.1.2 MAPINFO FORMAT

Data in MapInfo (tab) format is supplied in 4 files per layer:

Table 4. List of four files available for the MapInfo format.

*.tab	Main file/Table definitions.
*.dat	Attribute file.
*.map	Geometry file.
*.id	Index file for graphical features.

The tab files do not have geometry or attribute indexes.

4 Division into layers and list of codes

4.1 GSD-Map of Sweden 1:5 million

4.1.1 GRANS5L LINE LAYER WITH ADMINISTRATIVE BOUNDARIES

Contains municipality and county boundary. These are not closed with territorial boundary or national boundary.

Table 5. Contents in grans5l line layer with administrative boundaries.

KKOD	Description
12	County boundary
13	Municipality boundary

Table 6. Set of attributes for grans5l line layer with administrative boundaries.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.1.2 LAND5Y POLYGON LAYER WITH LAND AND LAKES

Contains land areas and lakes as well as islands in lakes and seas.

Table 7. Contents in land5y polygon layer with land and lakes.

KKOD	Description
901	Land
902	Lake

Table 8. Set of attributes in land5y polygon layer with land and lakes.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.1.3 VDRAG5L LINE LAYER WITH WATERCOURSES

Contains the largest watercourses.

Table 9. Contents in vdrag5l line layer with watercourses.

KKOD	Description
4	Watercourse

Table 10. Set of attributes in vdrag5l line layer with watercourses.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.1.4 LAND5L LINE LAYER WITH LAND CONTOURS

Contains land contours such as coastline, lakes and islands as well as national boundary.

Table 11. Contents in land5l line layer with land contours.

KKOD	Description
1	Coastline
2	Lake shoreline
3	Island shoreline
9	National boundary

Table 12. Set of attributes in hland5l line layer with land contours.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.2 GSD-Map of Sweden 1:10 million

4.2.1 GRANS10L LINE LAYER WITH COUNTY BOUNDARIES

Contains county boundaries.

Table 13. Contents in grans10l line layer with county boundaries.

KKOD	Description
12	County boundary

Table 14. Set of attributes in grans10l line layer with county boundaries.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.2.2 LAND10L LINE LAYER WITH LAND CONTOURS

Contains land contours such as coastline, lakes and islands as well as national boundary.

Table 15. Contents in land10l line layer with land contours.

KKOD	Description
1	Coastline
2	Lake shoreline
3	Island shoreline
9	National boundary

Table 16. Set of attributes in land10l line layer with land contours.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.2.3 VDRAG10L LINE LAYER WITH WATERCOURSES

Contains the largest watercourses.

Table 17. Contents in vdrag10l line layer with watercourses.

KKOD	Description
4	Watercourse

Table 18. Set of attributes in vdrag10l line layer with watercourses.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.2.4 LAND10Y POLYGON LAYER WITH LAND AND LAKES

Contains land areas and lakes as well as islands in lakes and seas.

Table 19. Contents in land10y polygon layer with land and lakes.

KKOD	Description
901	Land
902	Lake

Table 20. Set of attributes in land10y polygon layer with land and lakes.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.3 GSD- Map of Sweden 1:20 million

4.3.1 LAND20L LINE LAYER WITH LAND CONTOURS

Contains land contours such as coastline and national boundary.

Table 21. Contents in land20l line layer with land contours.

KKOD	Description
1	Coastline and land contours

Table 22. Set of attributes in land20l line layer with land contours.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.3.2 LAND20Y POLYGON LAYER WITH LAND

Contains land areas.

Table 23. Contents in land20y polygon layer with land.

KKOD	Description
901	Land

Table 24. Set of attributes in land20y polygon layer with land.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	30	Text	30	Category code

4.4 All products in this document

4.4.1 GRADNAT LINE LAYER WITH DEGREE LINE AND THE ARCTIC CIRCLE

Contains the Arctic Circle as well as the geographic graticule.

Table 25. Contents in gradnat line layer with degree line and the arctic circle.

KKOD	Description
14	Degree line (not even 5)
15	Degree line (even 5)
16	The Arctic Circle

Table 26. Set of attributes in gradnat line layer with degree line and arctic circle.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	10	Text	10	Category code

4.4.2 RUTNAT LINE LAYER WITH GRID

Contains the national grid with frame.

Table 27. Contents in rutnat line layer with grid.

KKOD	Description
17	Grid
18	Frame

Table 28. Set of attributes in rutnat line layer with grid.

No.	Attribute	Type shape	Length shape	Type MapInfo	Length MapInfo	Description
1	KKOD	Text	10	Text	10	Category code